



Introduction to Safe Drinking Water Program



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SDWP/ENFORCEMENT STAFF

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- Stacy Williams
- Carol Redditt-Frank [provided by contract through the Louisiana Compliance Initiative (LCI)]

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STAFF CONT.

- LCI CIRCUIT RIDER
- PENN LEMOINE
- DOUG SMITH
- THE LCI CONTRACT ALSO PROVIDES ANOTHER CLERICAL POSITION FOR OPERATOR CERTIFICATION UNIT

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Introduction

Whenever a person opens a drinking water tap in Louisiana – that moment represents the most intimate connection between public trust and the public water system owners/operators' duty as well as the Office of Public Health's and the Louisiana Rural Water Association's duty to protect the public health

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- **Congress unanimously enacted the Safe Drinking Water Act (SDWA) amendments of 1986 to safeguard this trust and ensure uniformly safe drinking water quality.**



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To achieve the high drinking water quality that the SDWA demands, EPA is required to promulgate regulatory packages to control contaminants, which include:

- **Volatile organic chemicals (VOCs)**
eg.; vinyl chloride, benzene
- **Pesticides and Herbicides**
eg.; chlordane (gardens), atrazine (corn, soybeans), run off – crops, golf courses
- **Microbiological organisms**
eg.; coliforms, cryptosporidium, giardia lamblia
- **Inorganic chemicals**
eg.; cadmium, metals, asbestos, nitrite
- **Radionuclides**
eg.; radon gas (accumulates under home and in wells)
- **Disinfection by-products**
eg.; haloacetic acids, trihalomethanes, bromate, chlorite (DDBP)

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Primacy

- An essential mechanism for achieving the SDWP's goals are State Primacy Agreements, which allow EPA to delegate SDWA enforcement authority to the states.
- The OPH received primacy for the SDWA in May 1977.

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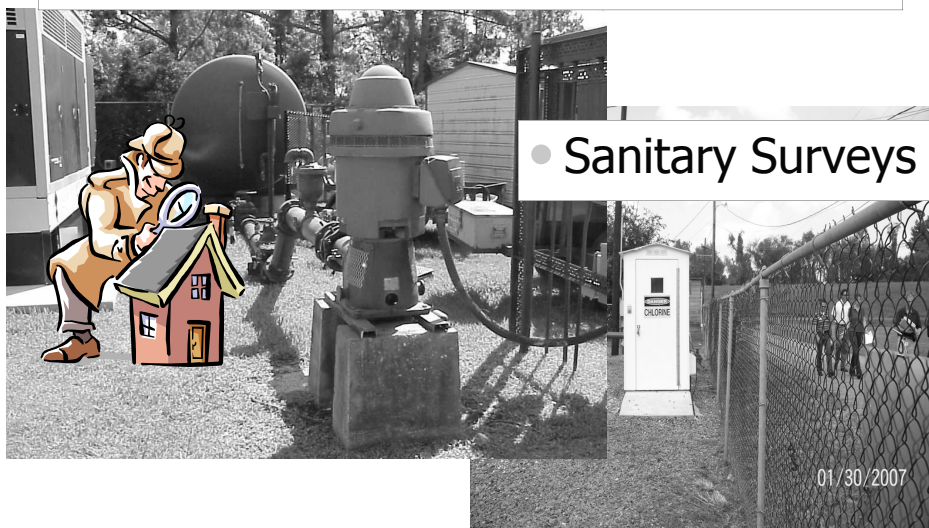
Through This Primacy Agreement, OPH Carries Out the Congressional Mandate by Implementing and Enforcing Federal and State Laws Related to Drinking Water.

In Addition, Primacy Allows Us to Perform Numerous Services That Promote Compliance and Enhance the SDWA Mission.

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Among the Vital Services That the OPH Staff Provide Are:



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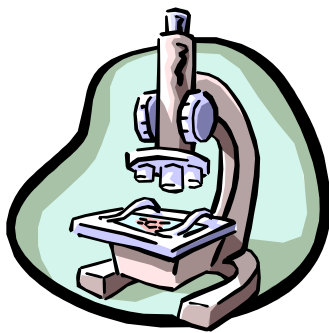
- **Operator training and certification**



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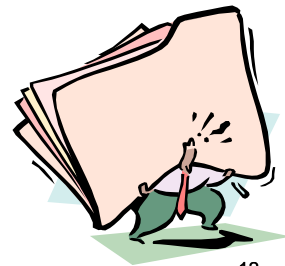
- **Engineering Plans Review**



- **Laboratory Analysis**

and

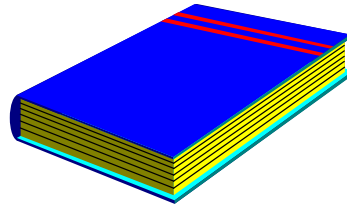
- **Laboratory Certification**



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Definitions



PUBLIC WATER SUPPLY is one which provides water to the public and such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. (See definitions of community, non-community and non-transient non-community water supplies.)

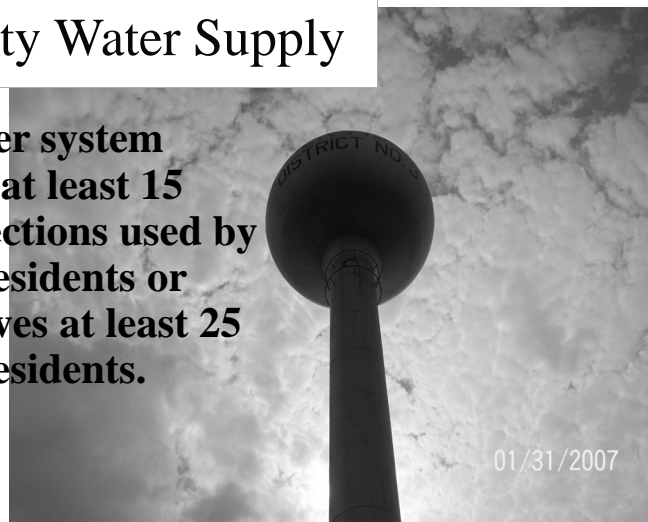
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Community Water Supply

A public water system which serves at least 15 service connections used by year-round residents or regularly serves at least 25 year-round residents.

eg.; S/D, T/P, APTs



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Transient Non-community Water Supply



A public water system that does not meet the criteria for a community water supply and serves at least 25 individuals (combination of residents and transients) at least 60 days out of the year.

eg.; campgrounds, gas stations, etc.

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Non-transient Non-community Water Supply



A public water system that is not a community system and regularly serves at least 25 of the same persons (non-residents) over six months per year.

eg.; schools, factories, hospitals, etc.

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Louisiana Safe Drinking Water Program Enforcement

- Primacy (May 1977)
- Administrative penalty and order authority (April 1992)

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WHAT IS AN ADMINISTRATIVE ORDER?

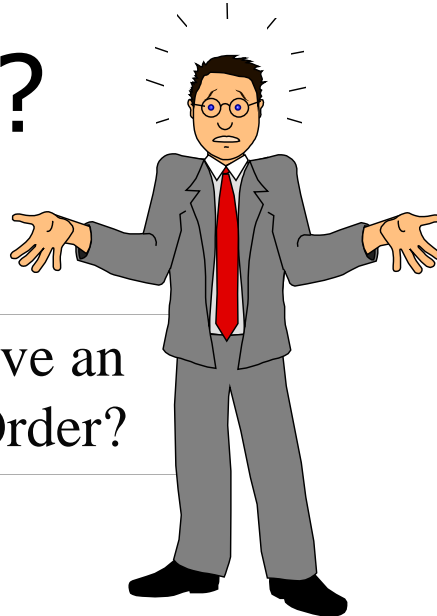
- ◇ IT IS A DOCUMENT
- ◇ ISSUED BY THE STATE HEALTH OFFICER (SHO)
- ◇ INSTRUCTING THE WATER SYSTEM TO COMPLY WITH THE VARIOUS RULES AND REGULATIONS.



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Why?



Why would I receive an
Administrative Order?

EPA REGION 6 ESCALATION POLICY

Targeting Criteria for AO Issuance

PWS having a certain number or combination of violations in the last 12 months are currently being targeted to receive an Administrative Order (AO)

◇ VIOLATIONS INCLUDE:

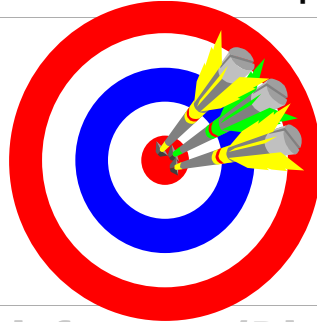
Coliform Violations (Total Coliform Rule)

◇ Surface Water Treatment Rule (SWTR)

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Targeting Criteria examples Cont'd



- ◇ **Stage 1 Disinfectants/Disinfection Byproducts Rule (DDBPR)**
- ◇ **Consumer Confidence Report Rule (CCR)**

Targeting Criteria examples Cont'd

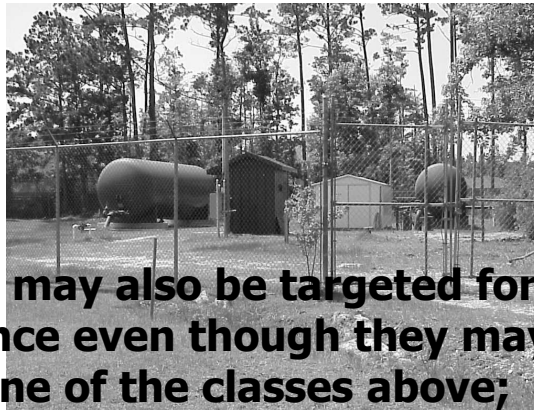
- ◇ Significant non-complier (SNC's) for lead and copper violations
- ◇ Operator Certification
- ◇ Chlorine Residuals
- ◇ Ground Water Rule (began December 1, 2009)

MONITORING CYCLES

- MONTHLY (ex. Coliform & chlorine sampling)
- Quarterly (ex. DDBP sampling)
- Yearly (ex. CCR's, DDBP's)

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- **PWSs may also be targeted for AO issuance even though they may not fall into one of the classes above;**

For example, a PWS with numerous physical violations noted in a sanitary survey performed by OPH's district/regional staff.

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- **Emergency AO's** may also be issued when the state health officer deems that use of the water provided to the public by the PWS will cause a serious and imminent danger to public health.

eg.; Boil Water Orders.



EXAMPLES OF VIOLATIONS ADDRESSED IN AO's

- **Lack of continuous DISINFECTION**
(insufficient chlorine residuals)
- **Plans and specifications**
(submit for approval BEFORE...)
- **Well vents**

8/1/2007

- **WELL ABANDONMENT**
(as per LDOTD
Rules/Regs/Std.s.)

- **SANITARY WELL SEAL**



- **OPERATOR
CERTIFICATION**

- **DISTANCES TO SOURCE OF
CONTAMINATION**

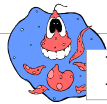
PART XII. WATER SUPPLIES LOUISIANA STATE SANITARY CODE (LAC 51:XII)

- ◇ THIS IS WHAT WE REFERENCE
FOR WHEN LISTING VIOLATIONS
- ◇ PART XII ALSO REFERENCES
OTHER DOCUMENTS SUCH AS:
TEN STATE STANDARDS, CODE
OF FEDERAL REGULATIONS,
ETC.

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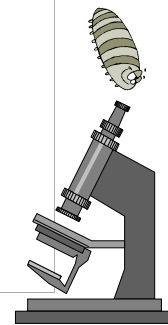
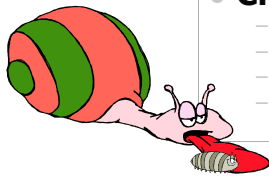
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Importance of Compliance in Protecting Human Health



Dis-Ease Causing Contaminants

- **Bacterial diseases**
 - Typhoid fever
 - Cholera
- **Viral diseases**
 - Polio
 - Meningitis
 - Infectious hepatitis (jaundice)
- **Chemical Contaminant Effects**
 - Spontaneous abortion
 - Malignancies
 - Chronic illness
 - Acute exposures - DEATH



TITLE 51, PART XII OF THE LA ADMINISTRATIVE CODE (LAC) IS AVAILABLE ON-LINE AT:

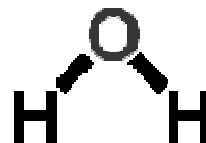
<http://doa.louisiana.gov/osr/lac/lactitle.htm>

SDWP Enforcement:
Phone: 225-342-7504
Fax: 225-342-7303

Address:
OPH/CEHS/Enforcement Box 5
628 N. 4th Street
PO Box 4489
Baton Rouge, LA 70821-4489

remember

together we are one force. one cohesive unit.....



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